

**IN THE CLAIMS:**

**The claims are amended as follows:**

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1. (Amended) A multiple wavelength surface-emitting laser device comprising:
- a substrate; and
- a plurality of surface-emitting lasers that are formed on the substrate by a continuous manufacturing process,
- wherein each of said plurality of surface-emitting lasers comprises:
- a bottom reflection layer on the substrate, that is doped with impurities of a first type and that is composed of alternating semiconductor material layers having different refractive indexes;
- an active layer on the bottom reflection layer;
- an intermediate layer that is doped with impurities of a second type on the active layer;
- a top electrode on the intermediate layer, said top electrode having a window through which light is emitted; and
- a dielectric reflection layer where dielectric materials with different refractive indexes are alternately layered on the intermediate layer and the top electrode to be dielectric layers of a thickness suitable for a desired resonance wavelength, whereby the desired resonance wavelength is controlled by adjusting the thickness of the dielectric layers of the dielectric reflection layer.
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6. (Amended) A method of manufacturing a multiple wavelength surface-emitting laser device comprising the steps of

sequentially forming, on a prepared substrate, a bottom reflection layer, that is doped with impurities of a first type and composed of alternating semiconductor material layers having different refractive indexes, an active layer and an intermediate layer that is doped with impurities of a second type;

forming an arrangement of a plurality of surface-emitting lasers by removing the intermediate layer, the active layer and a part of the bottom reflection layer by etching;

forming on the intermediate layer of each surface-emitting laser a top electrode having a window through which light is emitted; and

forming on at least one of the intermediate layer and the top electrode of each surface-emitting laser, a dielectric reflection layer where different dielectric materials are alternately layered to be dielectric layers of a thickness suitable for a desired resonance wavelength, whereby the desired resonance wavelength is controlled by adjusting the thickness of the dielectric layers of the dielectric reflection layer.

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**Please add the following new claim.**

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13. (New) A multiple wavelength surface-emitting laser device comprising:

a substrate; and

a plurality of surface-emitting lasers formed on the substrate by a continuous manufacturing process,

wherein each of said plurality of surface-emitting lasers comprises:

a bottom reflection layer on the substrate, that is doped with impurities of a first type and that is composed of alternating semiconductor material layers having different refractive indexes;

an active layer on the bottom reflection layer;

an intermediate layer that is doped with impurities of a second type on the active layer;

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a top electrode on the intermediate layer, said top electrode having a window through which light is emitted; and

a dielectric reflection layer comprising dielectric layers composed of dielectric materials with different refractive indexes alternately layered on the intermediate layer and the top electrode so that a thickness of the dielectric layers is optimized for a desired resonance wavelength, whereby the desired resonance wavelength is controlled by adjusting the thickness of the dielectric layers of the dielectric reflection layer.

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